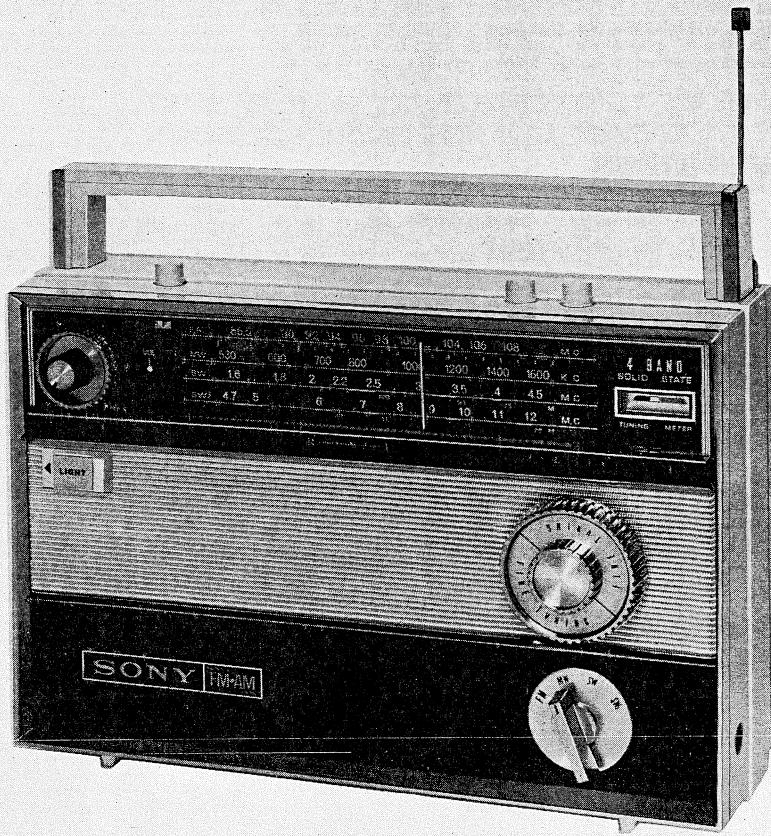


# TFM-1000W



## Specifications

<b>Circuit:</b>	14 Transistor Superheterodyne
<b>Frequency Coverage:</b>	FM 86.5~108 Mc (3.53~2.73 m) MW 530~1,605 Kc (566~187 m) SW <sub>1</sub> 1.6~4.5 Mc (187.5~66.5 m) SW <sub>2</sub> 4.7~12 Mc (63.8~25 m)
<b>Antenna System:</b>	FM/SW Built-in Telescopic Antenna MW Built-in Ferrite Bar Antenna Jack for Wire Antenna
<b>Intermediate Frequency:</b>	FM 10.7 Mc, AM 455 Kc
<b>Maximum Sensitivity:</b> (at 10 mW output)	FM 0.95 $\mu$ V, MW 27 $\mu$ V/m SW <sub>1</sub> 1.8 $\mu$ V, SW <sub>2</sub> 1.6 $\mu$ V
<b>Selectivity:</b>	31 dB at 10 Kc off resonance, at 1,400 Kc
<b>Output Power:</b>	820 mW (undistorted) 1.3 W (maximum)
<b>Current Drain:</b>	26 mA (FM/AM) at zero signal, 250 mA at 820 mW output
<b>Speaker:</b>	10×15 cm (4"×6") PM dynamic, 8 $\Omega$
<b>Power Source:</b>	Four "D" Size Flashlight Batteries, 6V in total or House Current by using SONY AC Power Adaptor
<b>Dimensions:</b>	218(H)×264(W)×103(D) mm (8-9/16×10-3/8×4-1/16")
<b>Weight:</b>	2.54 Kgs. (5.6 lbs) with Batteries

**SONY®**  
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## **Removal of Chassis**

- (1) Remove the two Back Cover Holding Screws and open the Back Cover. Take out all the Batteries.
- (2) Remove the Tuning, Fine Tuning, Band Setting, Volume Control, and Tone Control Knobs by pulling them out.
- (3) Push the Local, AFC, and Power Switch Buttons.
- (4) Remove the five Nuts marked with  $\triangle$  shown in Fig. 1 and 2.
- (5) Unsolder the five leads marked with  $\blacktriangle$  shown in Fig. 2.
- (6) Unsolder the Blue leads at the Volume Control coming from the AUX in Jack.
- (7) Remove the Chassis from the Cabinet gently taking care not to cut the leads.

## **Removal of CP Circuit Board**

- (1) Remove the four Screws marked with  $\circ$  shown in Fig. 2.
- (2) Unsolder all the leads on the CP Circuit Board coming from the IF Circuit Board, MW Ferrite Bar Antenna Coil, and FM Tuner.
- (3) Remove the CP Circuit Board from the Chassis gently taking care not to cut the leads.

## **Removal of FM Tuner Circuit Board (FMC-6AW)**

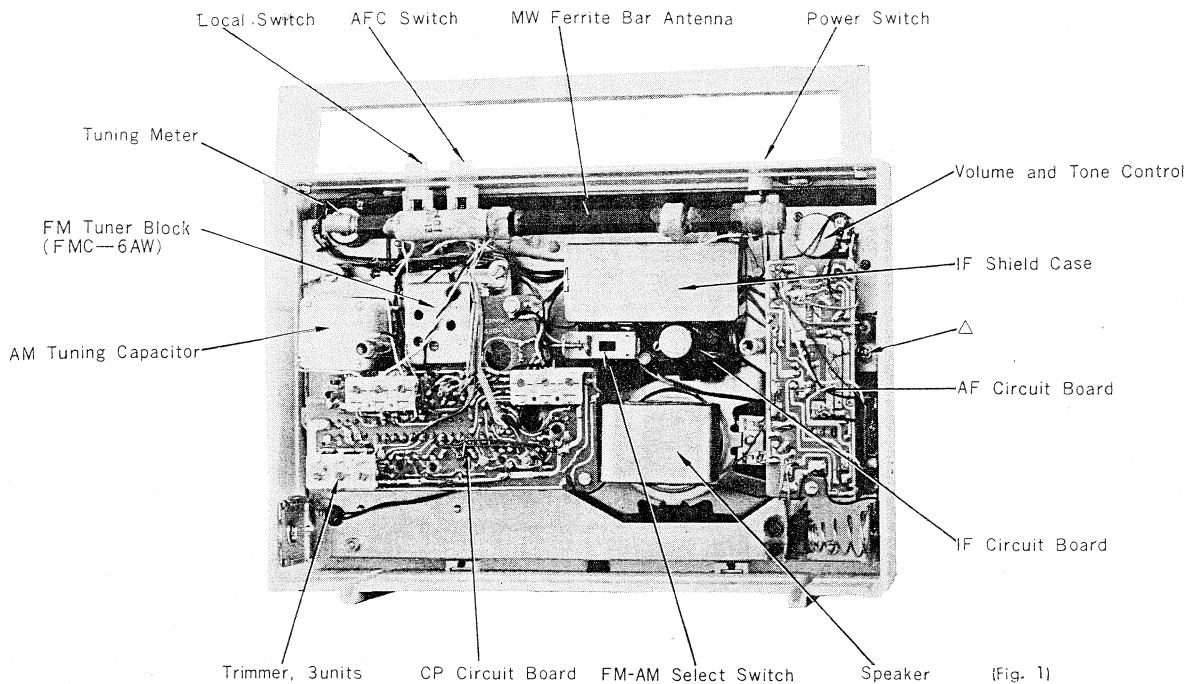
- (1) Remove the CP Circuit Board.
- (2) Unsolder all the leads at the FM Tuner and AM Tuning Capacitor.
- (3) Remove the four Sub-Chassis Holding Screws. (Two of them are marked with  $\bullet$  in Fig. 2).
- (4) Remove the Sub-Chassis from the Chassis gently taking care not to cut the Dial Cord.
- (5) Remove the Tuner Gear Holding Screw at the FM Tuning Capacitor.
- (6) Remove the Tuner Gear at the FM Tuning Capacitor.
- (7) Remove the four FM Tuner (FMC-6AW) Holding Screws. The FM Tuner (FMC-6AW) can now be removed.

## **Removal of IF Circuit Board**

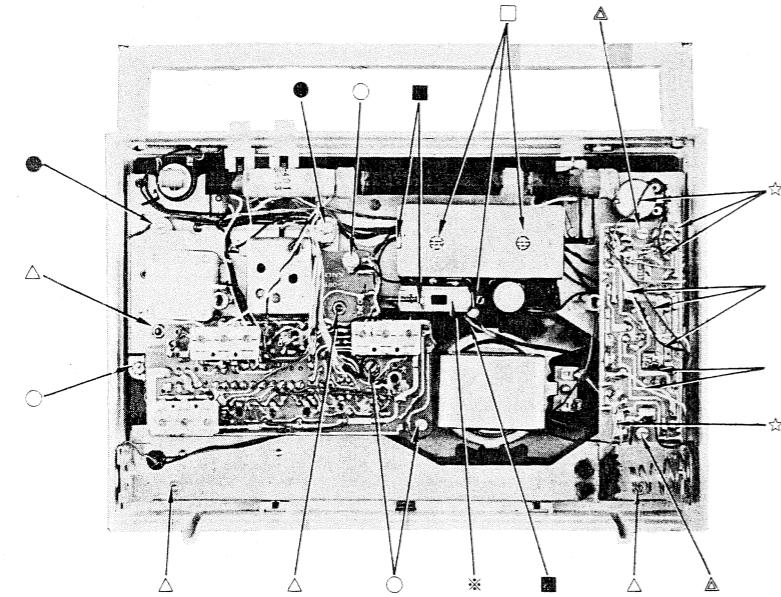
- (1) Unsolder the IF Shield Case Cover, FM-AM Select Switch Plate and Coaxial Cable marked with  $\blacksquare$  shown in Fig. 2.
- (2) Take out the FM-AM Select Switch Plate marked with  $\times$  shown in Fig. 2.
- (3) Remove the two FM-AM Select Switch Bracket Holding Screws.
- (4) Remove the three Screws marked with  $\square$  shown in Fig. 2.
- (5) Remove the IF Circuit Board from Chassis gently taking care not to cut the leads.

## **Removal of AF Circuit Board**

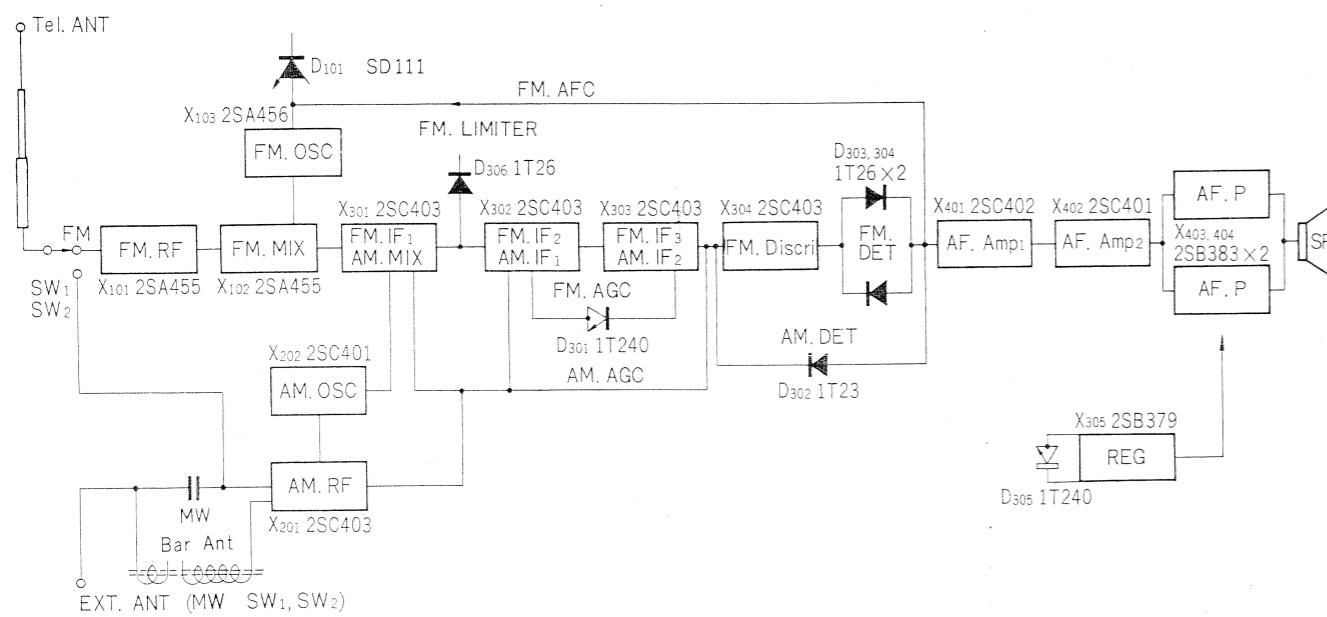
- (1) Remove the two Screws marked with  $\triangle$  shown in Fig. 2.
- (2) Unsolder the four leads on the AF Circuit Board marked with  $\star$  shown in Fig. 2.



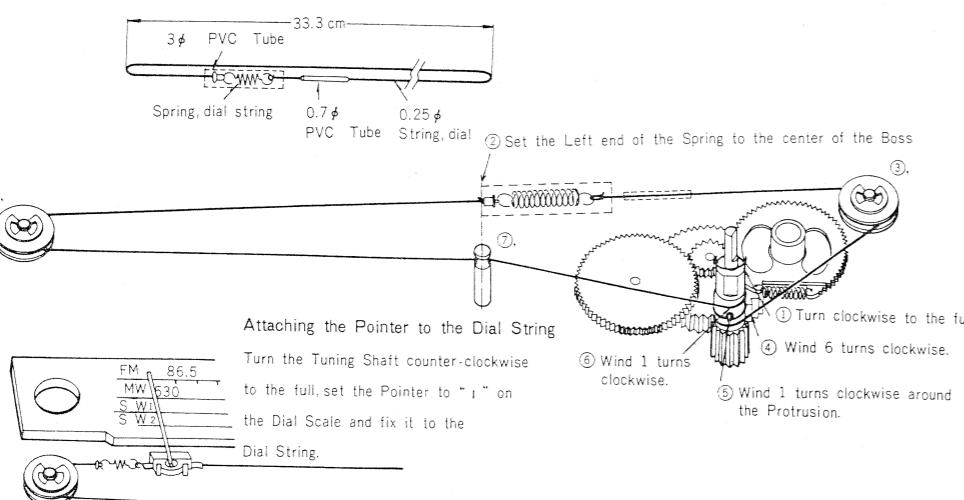
### Frequency Coverage and Tracking Adjustment



#### Block Diagram

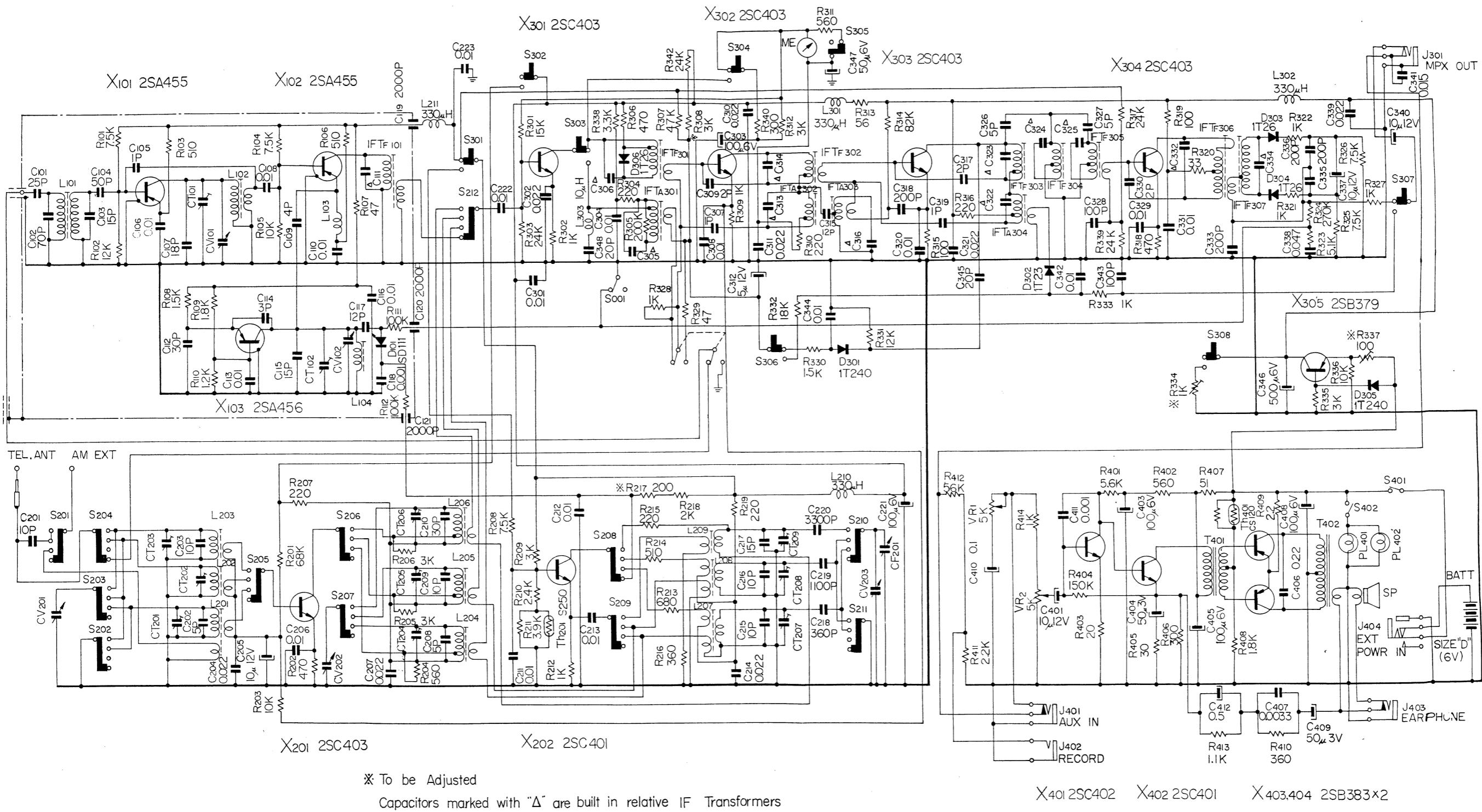


#### To String the Dial Cord



Adj. Item	SSG (Standard Signal Generator) Coupling	SSG Freq.	Receiving Dial Setting	Connect VTVM	Adjust	Remarks
FM Frequency Coverage	SSG —————— Rec SSG —————— Rec SSG —————— Rec	85.5 Mc (400 c/s ± 22.5 Kc FM MOD.)	Fully Left	Across 8Ω Load Resistor	FM OSC Coil (L <sub>104</sub> )	Adjust for maximum deflection. Fine Tuning: Set the slit mark on the Fine Tuning Knob in the vertical direction Volume: Max. Tone: High Local: OFF AFC: OFF Power supply: DC 6V
FM Tracking	ditto	85.5 Mc (" )	Tune to 85.5 Mc Signal	ditto	FM RF Coil (L <sub>102</sub> )	ditto
	ditto	109.5 Mc (" )	Tune to 109.5 Mc Signal	ditto	FM RF Trimmer (Cr <sub>101</sub> )	ditto
SW <sub>1</sub> Frequency Coverage	SSG 10p —————— Rec SSG —————— Rec SSG —————— Rec	1.55 Mc (1000 c/s 30% AM MOD)	Fully Left	ditto	SW <sub>1</sub> OSC Coil (L <sub>208</sub> )	ditto
SW <sub>1</sub> Tracking	ditto	4.7 Mc (" )	Fully Right	ditto	SW <sub>1</sub> OSC Trimmer (Cr <sub>208</sub> )	ditto
	ditto	1.55 Mc (" )	Tune to 1.55 Mc Signal	ditto	SW <sub>1</sub> ANT Coil (L <sub>202</sub> ) SW <sub>1</sub> RF Coil (L <sub>205</sub> )	ditto
	ditto	4.7 Mc (" )	Tune to 4.7 Mc Signal	ditto	SW <sub>1</sub> ANT Trimmer (Cr <sub>207</sub> ) SW <sub>1</sub> RF Trimmer (Cr <sub>205</sub> )	ditto
SW <sub>2</sub> Frequency Coverage	ditto	4.6 Mc (1000 c/s 30% AM MOD.)	Fully Left	ditto	SW <sub>2</sub> OSC Coil (L <sub>209</sub> )	ditto
	ditto	12.6 Mc (" )	Fully Right	ditto	SW <sub>2</sub> OSC Trimmer (Cr <sub>209</sub> )	ditto
SW <sub>2</sub> Tracking	ditto	4.6 Mc (" )	Tune to 4.6 Mc Signal	ditto	SW <sub>2</sub> ANT Coil (L <sub>203</sub> ) SW <sub>2</sub> RF Coil (L <sub>206</sub> )	ditto
	ditto	12.6 Mc (" )	Tune to 12.6 Mc Signal	ditto	SW <sub>2</sub> ANT Trimmer (Cr <sub>203</sub> ) SW <sub>2</sub> RF Trimmer (Cr <sub>206</sub> )	ditto
MW Frequency Coverage	Loop Antenna	520 Kc (" )	Fully Left	ditto	MW OSC Coil (L <sub>207</sub> )	ditto
	ditto	1680 Kc (" )	Fully Right	ditto	MW OSC Trimmer (Cr <sub>207</sub> )	ditto
MW Tracking	ditto	620 Kc (" )	Tune to 620 Kc Signal	ditto	MW ANT Coil (L <sub>201</sub> ) MW RF Coil (L <sub>204</sub> )	ditto
	ditto	1,400 Kc (" )	Tune to 1,400 Kc Signal	ditto	MW ANT Trimmer (Cr <sub>201</sub> ) MW RF Trimmer (Cr <sub>204</sub> )	ditto

Circuit Schematic

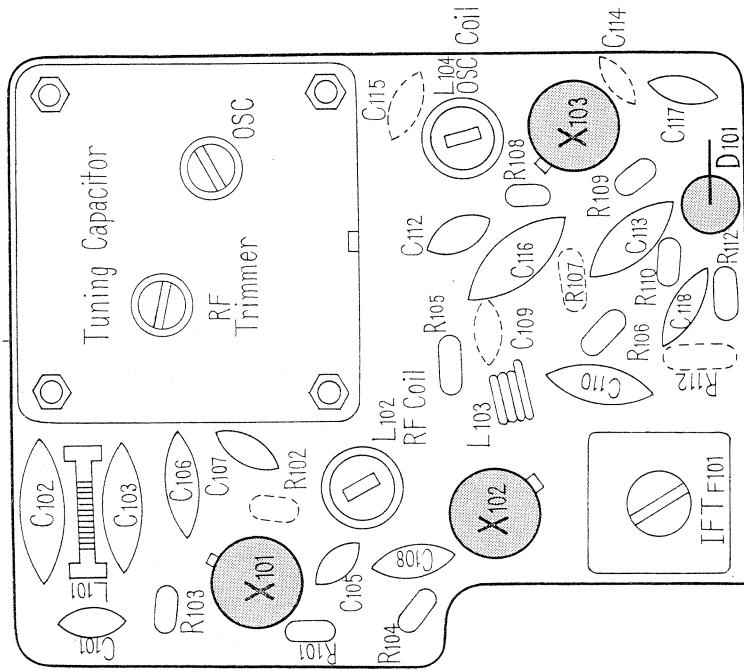
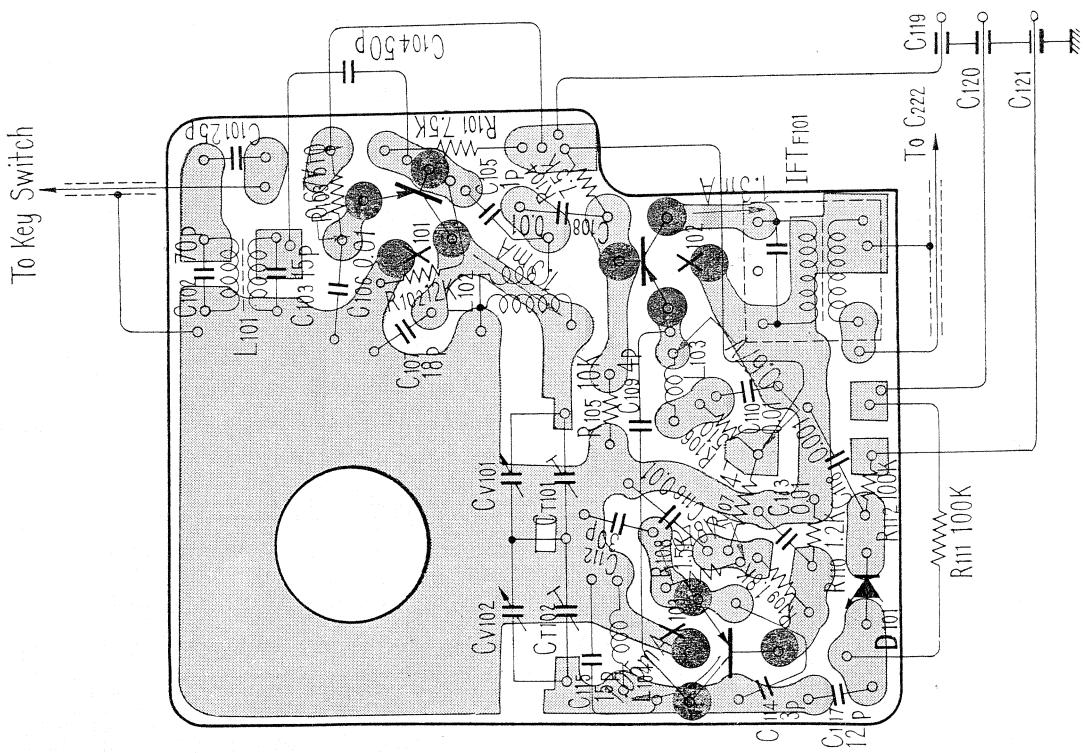


Mounting Diagram

FM Tuner Section (FMC-6AW)

—Printed Side—

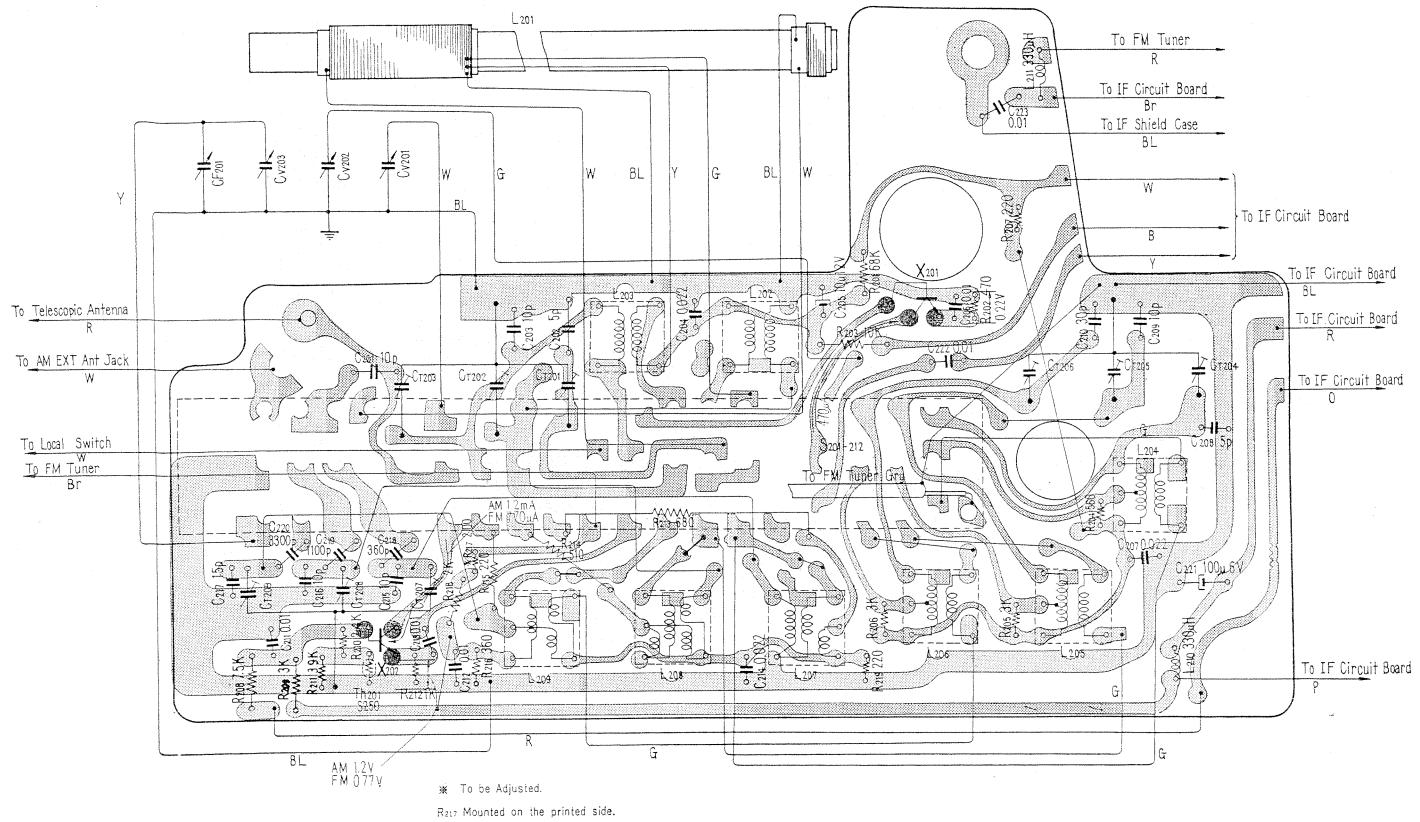
—Parts Side—



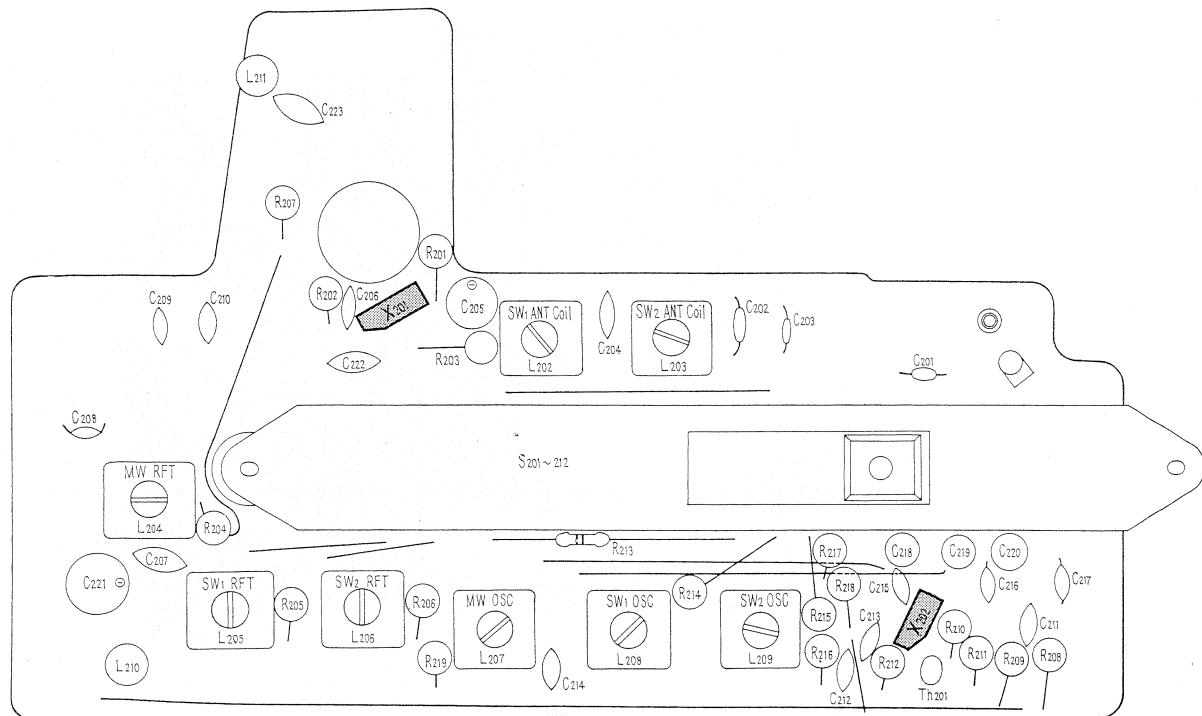
## Mounting Diagram

AM Coil Pack Section

—Printed Side—



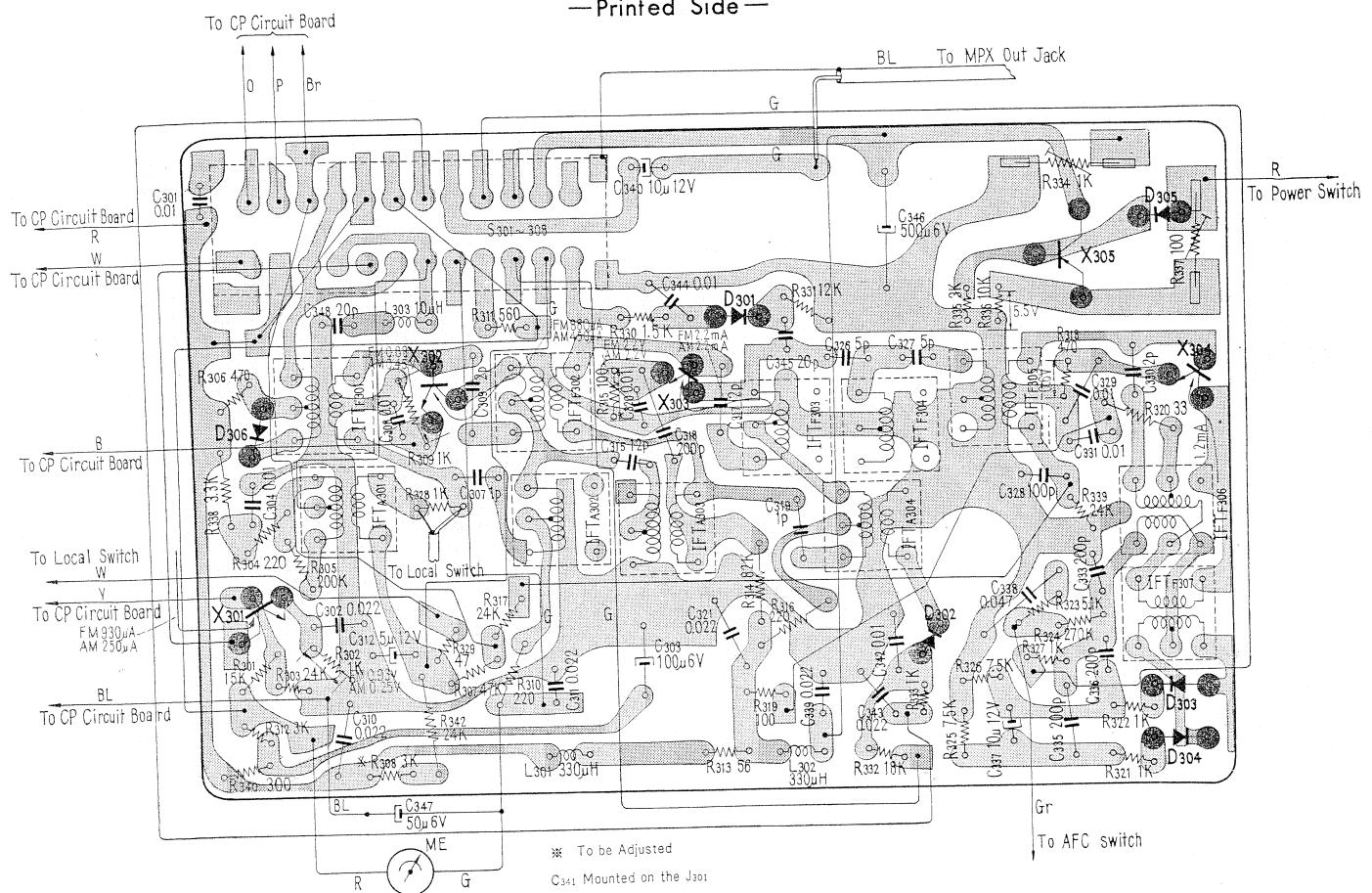
—Parts Side—



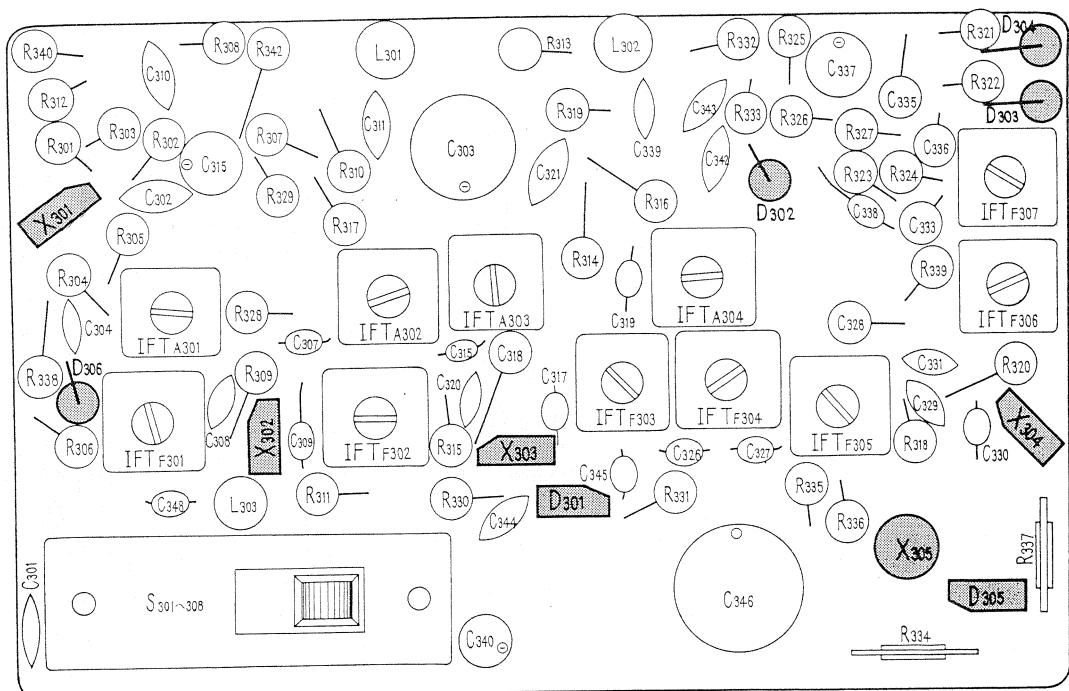
## Mounting Diagram

### IF Section

#### —Printed Side—



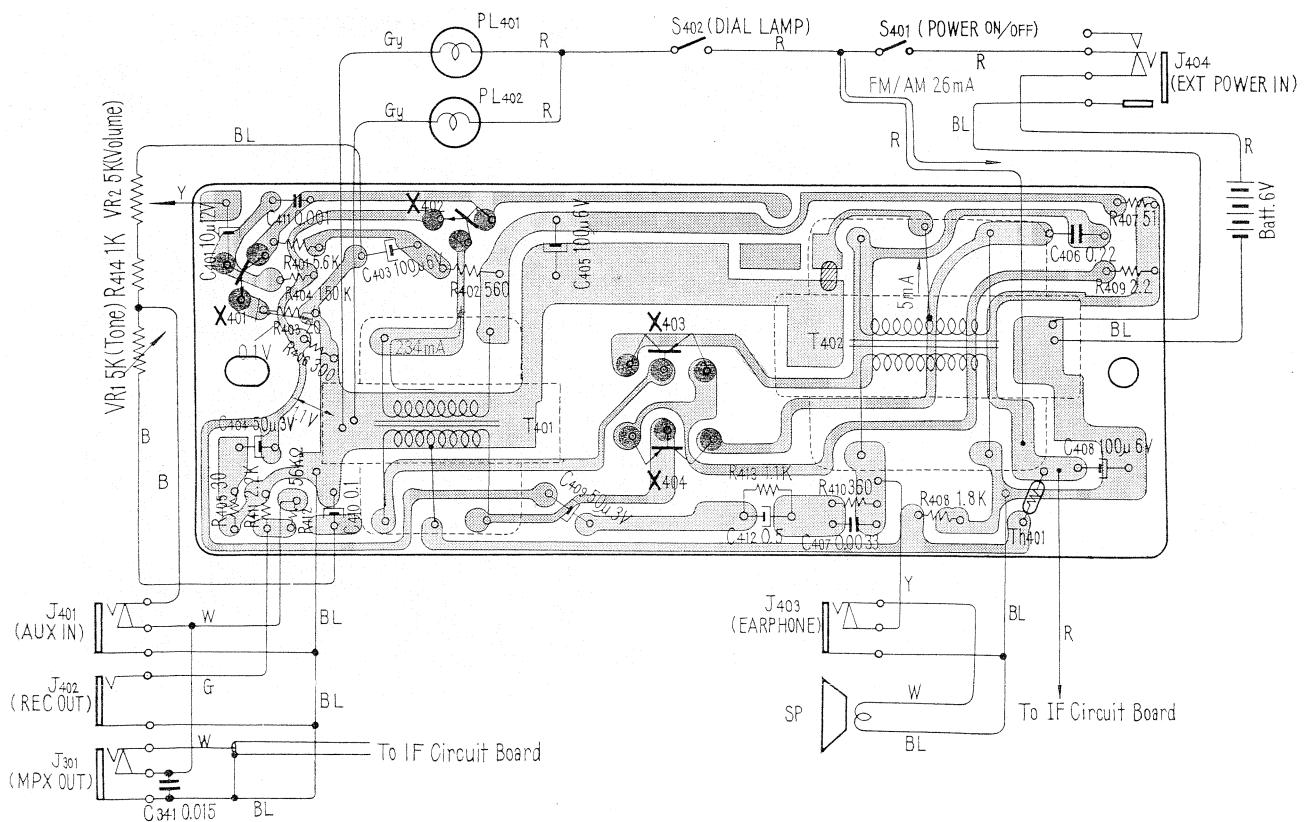
#### —Parts Side—



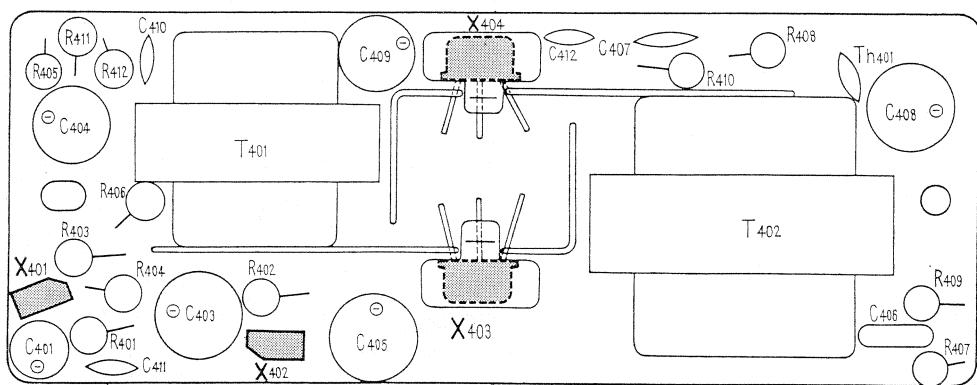
## Mounting Diagram

## AF Section (AF.1A)

—Printed Side—



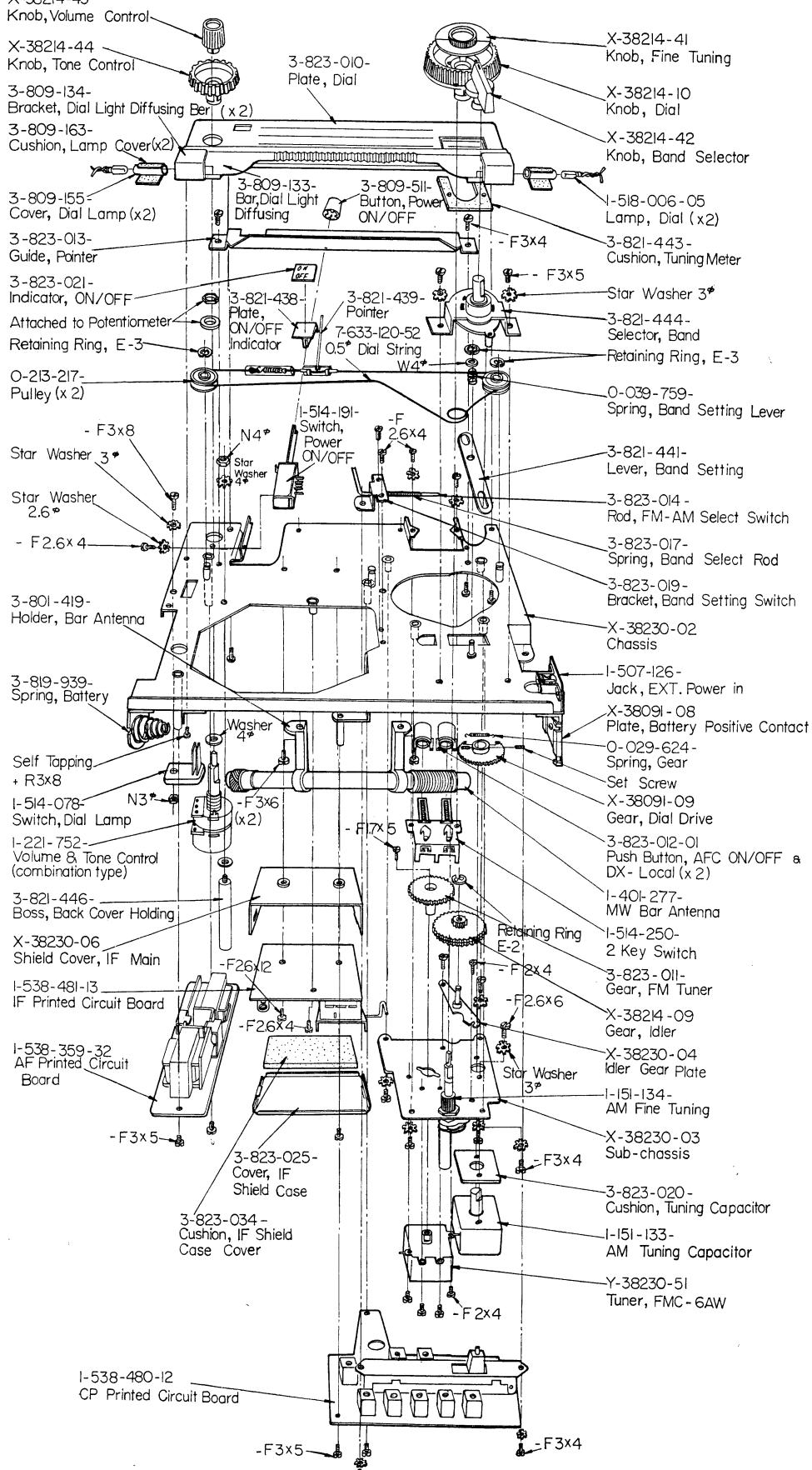
—Parts Side—



R413 Mounted on the printed side.

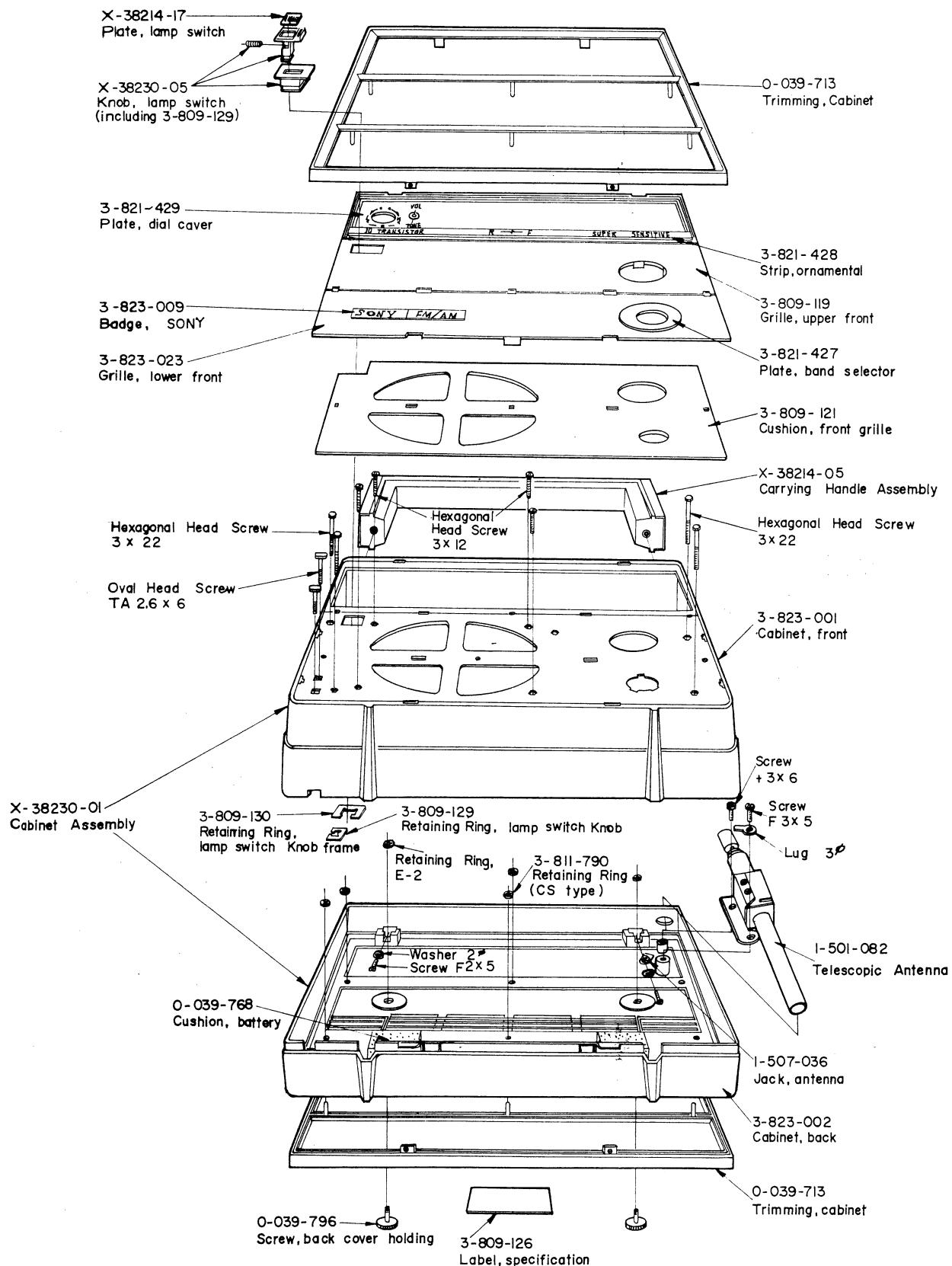
## Exploded Diagram

## —Chassis—



## Exploded Diagram

### --Cabinet--



## Electrical Parts List

Part No.	Symbol	Description	Part No.	Symbol	Description
1-501-082-11	Tel. ANT	Antenna, telescopic		D <sub>301</sub>	Diode 1T240
1-401-216-11	L <sub>101</sub>	Coil, FM antenna		D <sub>302</sub>	" 1T23
1-425-162-11	L <sub>102</sub>	" FM RF		D <sub>303</sub>	" 1T26
1-405-282-11	L <sub>103</sub>	" Injection		D <sub>304</sub>	" 1T26
-135-11	L <sub>104</sub>	" FM oscillator		D <sub>305</sub>	" 1T240
1-401-277-13	L <sub>201</sub>	" MW ferrite bar antenna	8-690-004-00	Th <sub>201</sub>	Thermistor S250
-286-11	L <sub>202</sub>	" SW <sub>1</sub> antenna	8-691-001-01	Th <sub>401</sub>	" CS120
-287-11	L <sub>203</sub>	" SW <sub>2</sub> "			
1-425-232-11	L <sub>204</sub>	" MW RF			
-272-11	L <sub>205</sub>	" SW <sub>1</sub> "	1-221-752-11	VR <sub>1</sub>	Resistor 5KΩ Tone Control
-273-11	L <sub>206</sub>	" SW <sub>2</sub> "		VR <sub>2</sub>	5KΩ Volume Control
1-405-275-11	L <sub>207</sub>	" MW oscillator	1-208-054-11	R <sub>101</sub>	7.5KΩ $\frac{1}{10}$ W Ceramic
-289-12	L <sub>208</sub>	" SW <sub>1</sub> "		R <sub>102</sub>	12KΩ "
-290-11	L <sub>209</sub>	" SW <sub>2</sub> "	-059-11	R <sub>103</sub>	510Ω "
1-407-050-11	L <sub>210</sub>	Inductor, micro 330μF	-026-11	R <sub>104</sub>	7.5KΩ "
-050-11	L <sub>211</sub>	" 330μF	-054-11	R <sub>105</sub>	10KΩ "
-050-11	L <sub>301</sub>	" 330μF	-057-11	R <sub>106</sub>	510Ω "
-050-11	L <sub>302</sub>	" 330μF	-026-11	R <sub>107</sub>	47Ω "
-082-11	L <sub>303</sub>	" 10μF	-105-11	R <sub>108</sub>	1.5KΩ "
1-403-231-11	IFT <sub>F101</sub>	Transformer, FM IF signal tuned	-037-11	R <sub>109</sub>	1.8KΩ "
-243-15	IFT <sub>F301</sub>	"	-039-11	R <sub>110</sub>	1.2KΩ "
-244-15	IFT <sub>F302</sub>	"	-035-11	1-201-868-11	100KΩ $\frac{1}{8}$ W Composition
-244-15	IFT <sub>F303</sub>	"	1-208-145-11	R <sub>111</sub>	100KΩ $\frac{1}{10}$ W Ceramic
-244-15	IFT <sub>F304</sub>	"	1-240-517-11	R <sub>112</sub>	68KΩ $\frac{1}{8}$ W Carbon
-244-15	IFT <sub>F305</sub>	"	-465-11	R <sub>201</sub>	470Ω "
-272-15	IFT <sub>F306</sub>	Discriminator (primary)	-497-11	R <sub>202</sub>	10KΩ "
-273-15	IFT <sub>F307</sub>	" (secondary)	-467-31	R <sub>203</sub>	560Ω "
-026-15	IFT <sub>A301</sub>	Transformer, AM IF single tuned	-484-31	R <sub>204</sub>	3KΩ "
-110-15	IFT <sub>A302</sub>	" "	-484-31	R <sub>205</sub>	3KΩ "
-026-15	IFT <sub>A303</sub>	" "	-457-31	R <sub>206</sub>	220Ω "
-110-15	IFT <sub>A304</sub>	" "	-494-11	R <sub>207</sub>	7.5KΩ "
1-423-100-11	T <sub>401</sub>	driver	-464-11	R <sub>208</sub>	3KΩ "
1-427-088-11	T <sub>402</sub>	output	-482-11	R <sub>209</sub>	2.4KΩ "
			-487-11	R <sub>210</sub>	3.9KΩ "
1-507-011-11	J <sub>301</sub>	Jack, MPX out	-473-11	R <sub>211</sub>	1KΩ "
-011-11	J <sub>401</sub>	" AUX in	1-244-469-11	R <sub>212</sub>	680Ω "
-011-11	J <sub>402</sub>	" REC. out	-466-11	R <sub>213</sub>	510Ω "
-011-11	J <sub>403</sub>	" Earphone	-457-11	R <sub>214</sub>	220Ω "
-126-11	J <sub>404</sub>	" EXT power in	1-240-462-11	R <sub>215</sub>	360Ω "
-036-11	EXT ANT	" AM EXT ANT	-456-11	R <sub>216</sub>	*R <sub>217</sub> 200Ω "
	S <sub>001</sub>	Switch, AFC ON-OFF	-480-11	R <sub>218</sub>	2KΩ "
1-514-250-12	S <sub>002</sub>	" AM DX/Local	-457-31	R <sub>219</sub>	220Ω "
	S <sub>003</sub>	" FM "	-501-11	R <sub>301</sub>	15KΩ "
1-513-314-11	S <sub>201~212</sub>	" AM band setting	-473-11	R <sub>302</sub>	1KΩ "
-275-11	S <sub>301~308</sub>	" FM "	-506-11	R <sub>303</sub>	24KΩ "
1-514-191-02	S <sub>401</sub>	" power ON-OFF	-457-11	R <sub>304</sub>	220Ω "
-078-00	S <sub>402</sub>	" dial lamp	-528-31	R <sub>305</sub>	200KΩ "
1-520-058-11	ME	Meter, tuning	-465-31	R <sub>306</sub>	470Ω "
1-502-069-21	SP	Speaker, 8Ω	-513-11	R <sub>307</sub>	47KΩ "
1-518-006-02	PL <sub>401</sub>	Lamp, dial	-484-11	*R <sub>308</sub>	3KΩ "
	PL <sub>402</sub>	"	-473-11	R <sub>309</sub>	1KΩ "
1-528-001-01	Batt	Battery, 6V in total	-457-11	R <sub>310</sub>	220Ω "
	X <sub>101</sub>	Transistor 2SA455	-467-11	R <sub>311</sub>	560Ω "
	X <sub>102</sub>	" 2SA455	-484-11	R <sub>312</sub>	3KΩ "
	X <sub>103</sub>	" 2SA456	-443-31	R <sub>313</sub>	56Ω "
	X <sub>201</sub>	" 2SC403	-519-11	R <sub>314</sub>	82KΩ "
	X <sub>202</sub>	" 2SC401	-449-11	R <sub>315</sub>	100Ω "
	X <sub>301</sub>	" 2SC403	-457-31	R <sub>316</sub>	220Ω "
	X <sub>302</sub>	" 2SC403	-506-11	R <sub>317</sub>	24KΩ "
	X <sub>303</sub>	" 2SC403	-465-11	R <sub>318</sub>	470Ω "
	X <sub>304</sub>	" 2SC403	-449-31	R <sub>319</sub>	100Ω "
	X <sub>305</sub>	" 2SB379	-437-31	R <sub>320</sub>	33Ω "
	X <sub>401</sub>	" 2SC402	-473-11	R <sub>321</sub>	1KΩ "
	X <sub>402</sub>	" 2SC401	-473-11	R <sub>322</sub>	1KΩ "
	X <sub>403</sub>	" 2SB383	-490-11	R <sub>323</sub>	5.1KΩ "
	X <sub>404</sub>	" 2SB383	-531-11	R <sub>324</sub>	270KΩ "
	D <sub>101</sub>	Diode SD-111	-494-11	R <sub>325</sub>	7.5KΩ "
			-494-11	R <sub>326</sub>	7.5KΩ "
			-473-31	R <sub>327</sub>	1KΩ "
			-473-31	R <sub>328</sub>	1KΩ "

\* To be adjusted

Part No.	Symbol	Description	Part No.	Symbol	Description
1-240-441-31	R <sub>329</sub>	47Ω $\frac{1}{8}$ W Carbon	1-101-959-11	C <sub>215</sub>	10pF Ceramic
-477-11	R <sub>330</sub>	1.5KΩ " "	-959-11	C <sub>216</sub>	10pF "
-499-11	R <sub>331</sub>	12KΩ " "	-861-11	C <sub>217</sub>	15pF "
-503-11	R <sub>332</sub>	18KΩ " "	1-103-614-11	C <sub>218</sub>	360pF Styrol
-473-31	R <sub>333</sub>	1KΩ " "	-626-11	C <sub>219</sub>	1100pF "
1-221-634-12	*R <sub>334</sub>	1KΩ Adjustable	-637-11	C <sub>220</sub>	3300pF "
1-240-484-11	R <sub>335</sub>	3KΩ $\frac{1}{8}$ W Carbon	1-121-291-11	C <sub>221</sub>	100μF 6V Electrolytic
-497-11	R <sub>336</sub>	10KΩ " "	1-105-411-12	C <sub>222</sub>	0.01μF Mylar
1-221-631-12	*R <sub>337</sub>	100Ω Adjustable	1-101-141-11	C <sub>223</sub>	0.01μF Ceramic
1-240-485-11	R <sub>338</sub>	3.3KΩ $\frac{1}{8}$ W Carbon	-141-11	C <sub>301</sub>	0.01μF "
-506-11	R <sub>339</sub>	24KΩ " "	1-105-413-12	C <sub>302</sub>	0.022μF Mylar
-460-11	R <sub>340</sub>	300Ω " "	1-121-291-11	C <sub>303</sub>	100μF 6V Electrolytic
	R <sub>341</sub>	—deleted—	1-105-411-12	C <sub>304</sub>	0.01μF Mylar
1-240-506-11	R <sub>342</sub>	24KΩ $\frac{1}{8}$ W Carbon		C <sub>305</sub>	Built-in IFT <sub>A301</sub>
1-201-864-11	R <sub>401</sub>	5.6KΩ " Composition		C <sub>306</sub>	Built-in IFT <sub>F301</sub>
-872-11	R <sub>402</sub>	560Ω " "	1-101-951-11	C <sub>307</sub>	1pF Ceramyc
-951-11	R <sub>403</sub>	20Ω " "	1-105-411-12	C <sub>308</sub>	0.01μF Mylar
1-202-113-11	R <sub>404</sub>	150KΩ " "	1-101-952-11	C <sub>309</sub>	2pF Ceramic
1-201-278-11	R <sub>405</sub>	30Ω " "	1-105-413-12	C <sub>310</sub>	0.022μF Mylar
-277-11	R <sub>406</sub>	300Ω " "	-413-12	C <sub>311</sub>	0.022μF "
-968-11	R <sub>407</sub>	51Ω " "	1-121-280-11	C <sub>312</sub>	5μF 12V Electrolytic
-650-11	R <sub>408</sub>	1.8KΩ " "		C <sub>313</sub>	Built-in IFT <sub>A302</sub>
-401-11	R <sub>409</sub>	2.2Ω $\frac{1}{4}$ W "		C <sub>314</sub>	Built-in IFT <sub>F302</sub>
-859-11	R <sub>410</sub>	360Ω $\frac{1}{8}$ W "	1-101-961-11	C <sub>315</sub>	12pF Ceramic
-863-11	R <sub>411</sub>	2.2KΩ " "	1-101-952-11	C <sub>316</sub>	Built-in IFT <sub>A303</sub>
1-202-085-11	R <sub>412</sub>	56KΩ " "	1-103-608-11	C <sub>317</sub>	2pF Ceramic
1-201-637-11	R <sub>413</sub>	1.1KΩ " "	1-101-951-11	C <sub>318</sub>	200pF Styrol
-862-11	R <sub>414</sub>	1KΩ " "	1-105-411-12	C <sub>319</sub>	1pF Ceramic
			-413-12	C <sub>320</sub>	0.01μF Mylar
				C <sub>321</sub>	0.022μF "
				C <sub>322</sub>	Built-in IFT <sub>A304</sub>
				C <sub>323</sub>	Built-in IFT <sub>F303</sub>
				C <sub>324</sub>	Built-in IFT <sub>F304</sub>
				C <sub>325</sub>	Built-in IFT <sub>F305</sub>
1-151-088-12	C <sub>V101~102</sub>	Capacitor, FM tuning		C <sub>326</sub>	5pF Ceramic
-133-11	C <sub>T101~102</sub>	Trimmer, 2 units (FM)		C <sub>327</sub>	5pF "
	C <sub>V201~203</sub>	Capacitor, AM tuning	1-101-955-11	C <sub>328</sub>	100pF Styrol
1-141-015-00	C <sub>T201~209</sub>	Trimmer, 3 units × 3 (AM)	-955-11	C <sub>329</sub>	0.01μF Mylar
1-151-134-11	C <sub>F201</sub>	Capacitor, fine tuning (AM)	1-105-411-12	C <sub>330</sub>	2pF Ceramic
1-101-090-11	C <sub>101</sub>	25pF Ceramic	1-101-952-11	C <sub>331</sub>	0.01μF Mylar
-791-11	C <sub>102</sub>	70pF "	1-105-411-12	C <sub>332</sub>	Built-in IFT <sub>F306</sub>
-861-11	C <sub>103</sub>	15pF "	1-103-608-11	C <sub>333</sub>	200pF Styrol
-028-11	C <sub>104</sub>	50pF "	1-103-608-11	C <sub>334</sub>	Built-in IFT <sub>F307</sub>
-951-11	C <sub>105</sub>	1pF "	-608-11	C <sub>335</sub>	200pF Styrol
-141-11	C <sub>106</sub>	0.01μF "	1-121-282-11	C <sub>336</sub>	200pF "
-862-11	C <sub>107</sub>	18pF "		C <sub>337</sub>	10μF 12V Electrolytic
-141-11	C <sub>108</sub>	0.01μF "	1-105-413-12	C <sub>338</sub>	0.047μF Alox
-954-11	C <sub>109</sub>	4pF "	1-121-282-11	C <sub>339</sub>	0.022μF Mylar
-141-11	C <sub>110</sub>	0.01μF "	1-105-412-11	C <sub>340</sub>	10μF 12V Electrolytic
	C <sub>111</sub>	—deleted—	-411-12	C <sub>341</sub>	0.015μF Mylar
1-101-871-11	C <sub>112</sub>	30pF Ceramic	-413-12	C <sub>342</sub>	0.01μF "
-141-11	C <sub>113</sub>	0.01μF "	-411-12	C <sub>343</sub>	0.022μF "
-953-11	C <sub>114</sub>	3pF "	-411-12	C <sub>344</sub>	0.01μF "
-861-11	C <sub>115</sub>	15pF "	1-101-864-11	C <sub>345</sub>	0.02pF Ceramic
-141-11	C <sub>116</sub>	0.01μF "	1-121-359-11	C <sub>346</sub>	500μF 6V Electrolytic
-961-11	C <sub>117</sub>	12pF "	-322-11	C <sub>347</sub>	50μF 6V "
1-105-821-12	C <sub>118</sub>	0.001μF Mylar	1-101-864-11	C <sub>348</sub>	20pF Ceramic
1-101-799-11	C <sub>119</sub>	2000pF Feed Through	1-121-282-11	C <sub>349</sub>	500μF 6V Electrolytic
-799-11	C <sub>120</sub>	2000pF "		C <sub>350</sub>	50μF 6V "
-799-11	C <sub>121</sub>	2000pF "	1-105-412-11	C <sub>351</sub>	20pF Ceramic
-959-11	C <sub>201</sub>	10pF Ceramic	-411-12	C <sub>352</sub>	10μF 12V Electrolytic
-955-11	C <sub>202</sub>	5pF "	-411-12	C <sub>353</sub>	—deleted—
-959-11	C <sub>203</sub>	10pF "	1-121-315-11	C <sub>354</sub>	100μF 6V Electrolytic
1-105-413-12	C <sub>204</sub>	0.022μF Mylar	-287-11	C <sub>355</sub>	50μF 3V "
1-121-282-11	C <sub>205</sub>	10μF 12V Electrolytic	-315-11	C <sub>356</sub>	100μF 6V "
1-105-411-12	C <sub>206</sub>	0.01μF Mylar	1-105-419-12	C <sub>357</sub>	0.22μF Mylar
-413-12	C <sub>207</sub>	0.022μF "	-827-12	C <sub>358</sub>	0.0033μF "
1-101-955-11	C <sub>208</sub>	5pF Ceramic	1-121-315-11	C <sub>359</sub>	100μF 6V Electrolytic
-959-11	C <sub>209</sub>	10pF "	-287-11	C <sub>360</sub>	50μF 3V "
-871-11	C <sub>210</sub>	30pF "	1-127-019-11	C <sub>361</sub>	0.1μF Alox
1-105-411-12	C <sub>211</sub>	0.01μF Mylar	1-105-821-12	C <sub>362</sub>	0.001μF Mylar
-411-12	C <sub>212</sub>	0.01μF "	1-127-022-11	C <sub>363</sub>	0.5μF Alox
-411-12	C <sub>213</sub>	0.01μF "			
-413-12	C <sub>214</sub>	0.022μF "			

\* To be adjusted

SONY CORPORATION

Serial No. 45,001 and after

# TFM-1000W

No. 2

## PRODUCTION CHANGE

(Change of Former Service Manual at Page 10 and 11)

### Former Type

Serial No. Up to 45,000

Part No.	Description	Q'ty
X-38230-02-2	Chassis Ass'y	1
-01-1	Cabinet Ass'y	1
3-823-001-01	Cabinet, front	1
-002-02	" , back	1
3-998-001-03	Battery Cylinder	1
0-039-796-00	Screw, back cover holding	2

### New Type

Serial No. 45,001 and After

Part No.	Description	Q'ty
X-38230-12-2	Chassis Ass'y	1
-15-1	Cabinet Ass'y	1
3-823-071-01	Cabinet, front	1
-042-02	" , back	1
3-998-010-04	Battery Cylinder	1
7-621-661-66	Screw, back cover holding	2

### Additional

Part No.	Description	Q'ty
3-823-043-01	Lid, battery	1
-048-02	Special Nut	3
-049-01	Coil, spring	2
-050-01	Pin, ext. antenna	2
-058-02	Knob, lock	1
-059-01	Plate, lock	1
-060-02	Spring, lock	1
-061-01	Washer, lock	1
3-821-473-03	Crystal Lid	1
7-621-461-46	Screw, machine +T 3×6	3
-721-61	" , tapping +R 2.6×5	3
-722-41	" , tapping +R 3×6	5
7-624-106-01	Retaining Ring, E-3	2

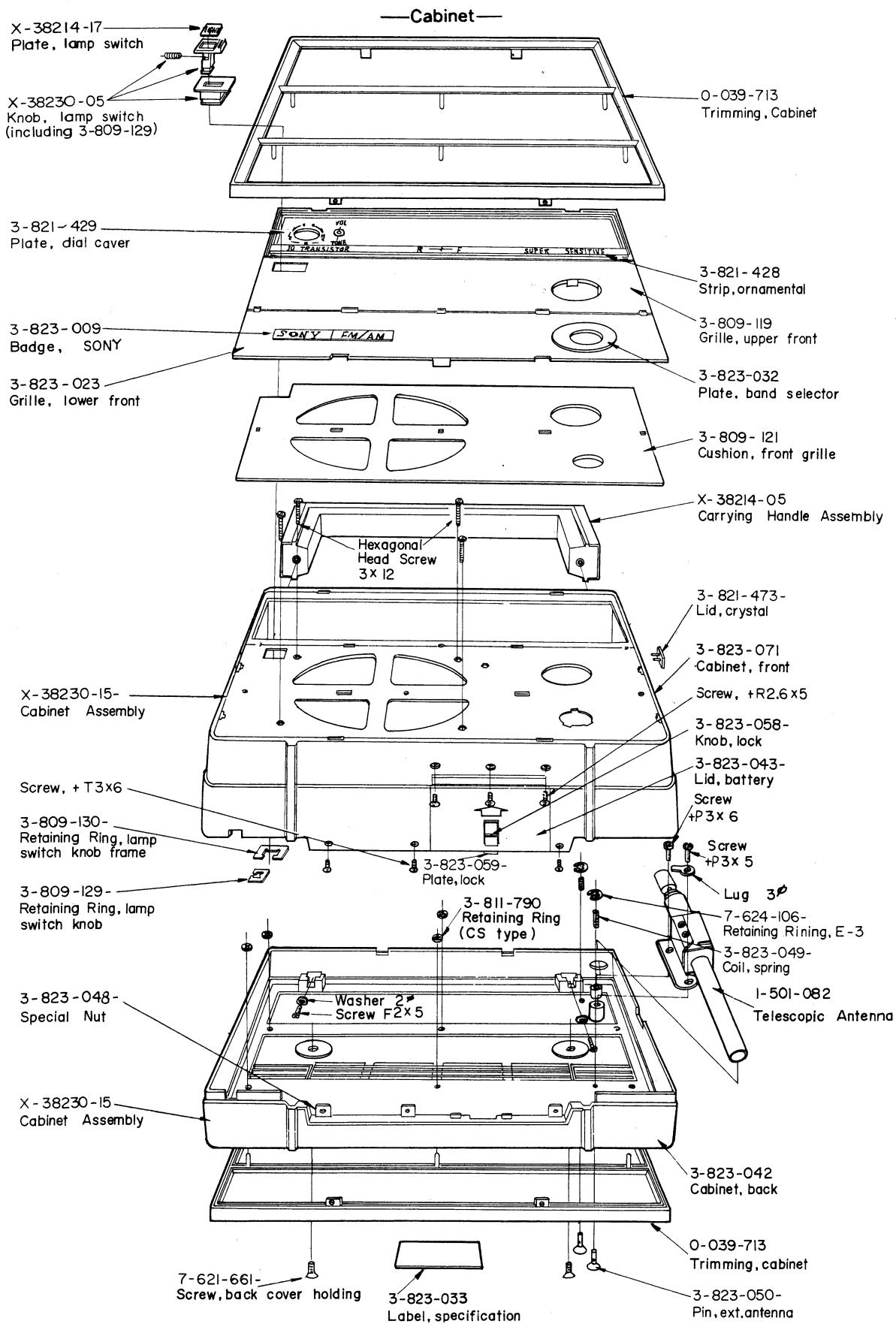
### Deleted

Part No.	Description	Q'ty
0-039-768-00	Cushion	2
3-822-948-01	Screw, TA2.6×6	2
7-621-999-03	" , hexagonal 3×12	4
-999-33	" , hexagonal 3×22	5
7-622-107-02	Nut, 2.6φ	2
-108-02	" , 3φ	5
1-507-036-02	Jack, antenna	1

**SONY®**  
**SERVICE MANUAL**

# FM-1000W

## Exploded Diagram



## Exploded Diagram

